

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 56-109274

(43)Date of publication of application : 29.08.1981

(51)Int.Cl.

C09J 7/02

(21)Application number : 55-011276

(71)Applicant : MITSUBISHI PLASTICS IND LTD

(22)Date of filing : 01.02.1980

(72)Inventor : ARITAKE TOSHIYUKI

OMURA MOTOTAKA

ITO TSUNEO

(54) ADHESIVE TAPE AND ITS MANUFACTURE

(57)Abstract:

PURPOSE: To obtain an adhesive tape which is excellent in writability and tear resistance by hands and particularly suitable for drawing, by coating and laminating a tackifier and an adhesive on a sheet composed of a mixture of PP and methylpentene polymer and stretching the sheet under a specified condition.

CONSTITUTION: One side of a sheet formed of a mixture of 90W55wt% PP and 10W45wt% methylpentene polymer is coated with a tackifier (e.g. styrene-butadiene copolymer) and then with an adhesive (e.g., a hot-melt type synthetic rubber- based adhesive) to obtain a laminated sheet. Then, the laminated sheet thus obtained is stretched in a temperature range of lower than the melting point of PP and higher than 155°C and under conditions of $\lambda M \geq 2$, $\lambda T \geq 2$, $\lambda T \geq \lambda M$, $56 \geq \lambda T \cdot \lambda M \geq 4$ (where λM is stretching ratio in a vertical direction and λT is stretching ratio in a lateral direction) to obtain an adhesive tape of an average roughness of 1.0W4.5 μ (measured at ten points according to JISB-0601). Or, after stretching the sheet prior to lamination under said stretching condition in advance, a tackifier and an adhesive are coated on the sheet to obtain the titled tape mentioned.

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